The authors are sincerely grateful to the editor and anonymous reviewers for their valuable suggestions and comments that significantly improved this paper.

**Reviewer A**

1- the pan sharpeninghave been processedby simple rescale,using the nearest neighbor interpolation in GEE platform , The nearest neighbor resampling method is preferable because of its easy implementation and spectral information preservation.

- The manuscript has been changed according to :

- Range values in table 2 was replaced by general ranges of the indices , to clarify how each threshold responds in the study area within its original range .( as requested by Reviewer C ) .

- Figure 4 was called and explained in the text .

- errors in the numbering of tables (4. 5.6.7 ) have been corrected .

- misspelling and orthography mistakes are corrected .

**Reviewer C**

The manuscript has been changed as follows:

**-Introduction**

We raised the issue of the current need to monitor and control urban growth and its difficulties in areas similar to the area of our study, and the importance of using remote sensing in this field because of the speed it brings in data processing and accuracy in determining it.(paragraph 1 page 3)

**-Study area**

the justification for the choice of the cities has been included(in pages 8,9 )

**-Methodology**

Range values in table 2 was replaced by general ranges of the indices , to clarify how each threshold responds in the study area within its original range .

DBSI from -2 to +2 , BRBA from 0 to 1 , NDTI from -1 to +1, BUI from -1 to +1.

The range value of BRBA is between 0 and 1 , For an obvious comparison between the images of the spectral indices a stretching in BRBA images was applied to fit to ranges values with others indices, and to enhance built up areas clearly for the raison of a small range of DN values (Waqar *et al*., 2012) .( page 13 )

**-Results**

we added an analysis of the results concerning the values for Messaad area, and both multi indices the NDTI/ BUI/ BRBA , NDTI/ DBSI /BRBA ( in pages 19,20 )

**-Conclusion**

We have tried to provide an overview of what the article has added regarding the issues related to the topic addressed ( in page 21 ).